Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Sutter Maintenance Yard Tisdale Bypass

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|----------------------------|------|------------|--------------------------|---------------|
| Unit No. 01 Tisdale Bypass | Left | 4.51 | 10/03/2018 10/03/2018 | Bob Duffey |

| LM Start | | Rating ** | Α | Issue No. | | 2 | |
|---------------------------------------|---------------|--------------|---------|------------------------|--|-----|--|
| LM End | | Issue Type + | Ma | Location * | | N/A | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | | |
| Category | | | | Start | | End | |
| Item Operations & Maintenance Manuals | | | | 0 | | 0 | |
| | | | | 0 | | 0 | |
| DWR ID DWR_ST0009_01_s _ 2013_2 | | | | | | | |
| Comment Code | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | Inspecto | or Comm | nent | | | |
| Sutter Yar | d has the (| D&M manuals | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

No Photos

| LM Start | | Rating ** | Α | Issue No. | | 4 | |
|---------------------------------|----------------------|--------------|----|------------------------|---|-----|---|
| LM End | | Issue Type + | Ма | Location * | | N/A | |
| Cotogony | Earthen Levee | | | GPS Latitude/Longitude | | | |
| Category | | Start | | End | | | |
| ltom | Emergency Supplies & | | | | 0 | | • |
| пеш | Item Equipment | | | | 0 | | • |
| DWR ID DWR_ST0009_01_s _ 2013_4 | | | | | | | |
| Comment Code | | | | | | | |
| | | | | | | | |

No Photos

Inspector Comment Sutter Yard has a stockpile of emergency supplies and equipment.

| LM Start | | Rating ** | Α | Issue No. | | 5 | |
|-------------------------------|---------------------------------|------------------|----------|------------------------|---|-----|--|
| LM End | | Issue Type + | Ma | Location * | | N/A | |
| Category | Earthen Levee | | | GPS Latitude/Longitude | | | |
| Category | | Start | | End | | | |
| Flood Preparedness & Training | | | | 0 | | 0 | |
| item | | | 0 | | 0 | | |
| DWR ID | DWR ID DWR_ST0009_01_s _ 2013_5 | | | | | | |
| | | Comn | nent Coo | le | | | |
| | | | | | | | |
| | | | | | | | |
| | | Inspecto | or Comm | ent | | | |
| Sutter Yard | d had flood | d fight training | October | 2018. | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

No Photos

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Sutter Maintenance Yard Tisdale Bypass

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|----------------------------|------|------------|--------------------------|---------------|
| Unit No. 01 Tisdale Bypass | Left | 4.51 | 10/03/2018 10/03/2018 | Bob Duffey |

| LM Start | 0.02 | Rating ** | Α | Issue No. | 11 | | |
|----------------------------------|-----------|--------------|----|------------------------|------|---------------|--|
| LM End | 0.71 | Issue Type + | Ma | Location * | LS | | |
| Category | Earthen L | evee | | GPS Latitude/Longitude | | | |
| Category | | Start | | End | | | |
| Item | Vegetatio | n | | 39.0271 | 72 ° | 39.028325° | |
| пеш | item | | | | | -121.808907 ° | |
| DWR ID DWR_ST0009_01_f _ 2018_11 | | | | | | | |
| Comment Code | | | | | | | |

V1 : Control annual grass and weeds on the levee slopes and easements.

Inspector Comment

The vegetation was removed from the landside slope.

Photo 1 of 1 : FA_2018_ST0009_286_11_20181008_00019.jpg



View of the removed vegetation from the landside slope.

| LM Start | 0.02 | Rating ** | Α | Issue No. | | 10 |
|----------|---------------------------|--------------|---------|--------------|------------|-------------|
| LM End | 4.50 | Issue Type + | Ма | Location * | | WS |
| Catagory | Category Earthen Levee | | | | | e/Longitude |
| Calegory | | | | Start | | End |
| Item | Vegetatio | n | 39.0271 | 72 ° | 39.032885° | |
| пеш | | -121.8214 | 37° | -121.743387° | | |
| DWR ID | DWR_ST0009_01_f _ 2018_10 | | | | | |

Comment Code

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

The vegetation was mowed or burned along the waterside slope.

| LM Start | 0.02 | Rating ** | Α | Issue No. | 10 (cont) |
|----------|------|--------------|----|------------|-----------|
| LM End | 4.50 | Issue Type + | Ma | Location * | WS |

Photo 1 of 2: FA_2018_ST0009_286_10_20181114_00024.jpg



View of the mowed or burned vegetation along the waterside slope.

Photo 2 of 2 : FA_2018_ST0009_286_10_20181008_00020.jpg



View of the vegetation along the waterside slope.

* Location
LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown

** Rating
A: Acceptable N: Not Inspected/Rated M: Ma: Maintenance Deficiancy
C: Corrected Ob: Design & System Obsolescence
U: Unacceptable A/W: Acceptable but Monitor & Maintain

** Rating
A: Acceptable M: N: Not Inspected/Rated M: Ma: Maintenance Deficiancy
Ob: Design & System Obsolescence
En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Sutter Maintenance Yard Tisdale Bypass

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|----------------------------|------|------------|--------------------------|---------------|
| Unit No. 01 Tisdale Bypass | Left | 4.51 | 10/03/2018 10/03/2018 | Bob Duffey |

| LM Start | 0.71 | Rating ** | Α | Issue No. | 15 | | |
|----------------------------------|-----------|------------------------|----|------------|-----|--------------|--|
| LM End | 1.44 | Issue Type + | Ma | Location * | LS | | |
| Category | evee | GPS Latitude/Longitude | | | | | |
| Category | | | | Start | | End | |
| Item | Vegetatio | n | | 39.0283 | 25° | 39.028257° | |
| пеш | | | | -121.8089 | 07° | -121.795252° | |
| DWR ID DWR_ST0009_01_f _ 2018_15 | | | | | | | |
| Comment Code | | | | | | | |

 $\ensuremath{\text{V2}}$: Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

The vegetation was mowed or burned along the landside slope.

Photo 1 of 1 : FA_2018_ST0009_286_15_20181008_00021.jpg



View of the vegetation along the landside slope.

| LM Start | 2.00 | Rating ** | Α | Issue No. | | 16 |
|----------|---------------------------|--------------|---------|------------|-------------|--------------|
| LM End | 4.50 | Issue Type + | Ма | Location * | | LS |
| Category | Earthen Levee | | | GPS La | atitud | e/Longitude |
| Calegory | Category | | | | | End |
| Item | Vegetatio | | 39.0281 | 83° | 39.032885 ° | |
| пеш | item | | | | 20° | -121.743387° |
| DWR ID | DWR_ST0009_01_f _ 2018_16 | | | | | |

Comment Code

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

The vegetation was burned or mowed along the landside slope.

| LM Start | 2.00 | Rating ** | Α | Issue No. | 16 (cont) |
|----------|------|--------------|----|------------|-----------|
| LM End | 4.50 | Issue Type + | Ма | Location * | LS |

Photo 1 of 2: FA_2018_ST0009_286_16_20181114_00023.jpg



View of the burned or mowed vegetation along the landside slope.

Photo 2 of 2: FA_2018_ST0009_286_16_20181008_00022.jpg



View of the vegetation along the landside slope.

* Location
LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown

** Rating
A: Acceptable N: Not Inspected/Rated M: Ma: Maintenance Deficiancy
C: Corrected Ob: Design & System Obsolescence
U: Unacceptable A/W: Acceptable but Monitor & Maintain

** Rating
A: Acceptable M: N: Not Inspected/Rated M: Ma: Maintenance Deficiancy
Ob: Design & System Obsolescence
En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Sutter Maintenance Yard Tisdale Bypass

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|----------------------------|------|------------|--------------------------|---------------|
| Unit No. 01 Tisdale Bypass | Left | 4.51 | 10/03/2018 10/03/2018 | Bob Duffey |

| LM Start | 2.14 | Rating ** | A/W | Issue No. | | 25 |
|----------|----------|-----------------------------|------------------------|------------|------|--------------|
| LM End | 2.14 | Issue Type + | Ма | Location * | | |
| Category | | | GPS Latitude/Longitude | | | |
| Calegory | Category | | | | | End |
| Item | DWR UCI | DWR UCIP LMA Responsibility | | | 32 ° | 39.028132° |
| пеш | | | | -121.78238 | 9° | -121.782389° |
| DWR ID | 16591 | | | | | · |

Inspector Comment

Comment Code

FS_ID:51484 DS_ID:16591 EP_NO: 10099

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 4/10/2017 Crossing appears to be in good condition. (DWR Sutter Yard-AFreitag)10/11/2016 Crossing appears to be in good condition. (DWR Sutter Yard - afreitag)4/18/2016 Crossing appears to be in good condition. No noticeable issues to report.5/7/2015 Crossing is in good condition. No noticeable issues to report.11/13/2014 Same as last inspection.5/12/2014 Same as last inspection.10/30/2013 Same as last inspection.5/20/2013 Same as last inspection.

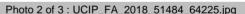
FIELD_STRUCT_DESC: 1 of 2: 4-foot by 7-foot reinforced concrete discharge tunnel through the levee, 38 feet below the crown. Slide gate in 4-foot by 15-foot concrete well on the waterside (WS) slope. Pump house located on the landside (LS) toe and wooden flap gates on the WS toe. (two 4-foot by 7-foot tunnel [HLM 2.13] authorized under Automatic Board Order (ABO) issued as Permit No. 10099, 1955 - Reclamation District No. 1660). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 133, August 1955 (Station 1044+60)].

FS Date: 4/12/2017 9:20:05 AM

| LM Start | 2.14 | Rating ** | A/W | Issue No. | 25 (cont) |
|----------|------|--------------|-----|------------|-----------|
| LM End | 2.14 | Issue Type + | Ma | Location * | |



Slide gates on WS shoulder.





Wooden Flap gates on WS toe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Sutter Maintenance Yard Tisdale Bypass

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|----------------------------|------|------------|--------------------------|---------------|
| Unit No. 01 Tisdale Bypass | Left | 4.51 | 10/03/2018 10/03/2018 | Bob Duffey |

| LM Start | 2.14 | Rating ** | A/W | Issue No. | | 25 (cont) | |
|--------------|---------|--------------|------------------------|------------|-----|--------------|--|
| LM End | 2.14 | Issue Type + | Ма | Location * | | | |
| Category | | | GPS Latitude/Longitude | | | | |
| Calegory | y | | | Start | | End | |
| Item | DWR UCI | P LMA Respo | nsibility | 39.02813 | 32° | 39.028132° | |
| пеш | | | | -121.78238 | 39° | -121.782389° | |
| DWR ID | 16591 | | | | | | |
| Comment Code | | | | | | | |

Inspector Comment

FS_ID:51484 DS_ID:16591 EP_NO: 10099

Repair Type: No Action Needed Crossing Status: Found

FS Date: 4/12/2017 9:20:05 AM

UCIP Comments: 4/10/2017 Crossing appears to be in good condition. (DWR Sutter Yard- AFreitag)10/11/2016 Crossing appears to be in good condition.(DWR Sutter Yard - afreitag)4/18/2016 Crossing appears to be in good condition. No noticeable issues to report.5/7/2015 Crossing is in good condition. No noticeable issues to report.111/13/2014 Same as last inspection.5/12/2014 Same as last inspection.10/30/2013 Same as last inspection.5/20/2013 Same as last inspection.

FIELD_STRUCT_DESC: 1 of 2: 4-foot by 7-foot reinforced concrete discharge tunnel through the levee, 38 feet below the crown. Slide gate in 4-foot by 15-foot concrete well on the waterside (WS) slope. Pump house located on the landside (LS) toe and wooden flap gates on the WS toe. (two 4-foot by 7-foot tunnel [HLM 2.13] authorized under Automatic Board Order (ABO) issued as Permit No. 10099, 1955 - Reclamation District No. 1660). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 133, August 1955 (Station 1044+60)].

Photo 3 of 3: UCIP_FA_2018_51484_64224.jpg



Pump house on LS toe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Sutter Maintenance Yard Tisdale Bypass

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|----------------------------|------|------------|--------------------------|---------------|
| Unit No. 01 Tisdale Bypass | Left | 4.51 | 10/03/2018 10/03/2018 | Bob Duffey |

| LM Start | 2.14 | Rating ** | A/W | Issue No. | | 26 | |
|--------------|--------|--------------|------------------------|------------|------|--------------|--|
| LM End | 2.14 | Issue Type + | Ма | Location * | | | |
| Category | | | GPS Latitude/Longitude | | | | |
| Calegory | | | | Start | | End | |
| Item | DWR UC | P LMA Respo | nsibility | 39.02812 | 24 ° | 39.028124° | |
| пеш | | | | -121.7823 | 14 ° | -121.782344° | |
| DWR ID | 16856 | | | | | | |
| Comment Code | | | | | | | |

Inspector Comment

FS_ID:51485 DS_ID:16856 EP_NO: 10099

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 4/10/2017 Crossing appears to be in good condition. (DWR Sutter Yard-AFreitag)10/11/2016 Crossing appears to be in good condition. (DWR Sutter Yard - afreitag)4/18/2016 Crossing appears to be in good condition. No noticeable issues to report.5/7/2015 Crossing is in good condition. No noticeable issues to report.11/13/2014 Same as last inspection.5/12/2014 Same as last inspection.10/30/2013 Same as last inspection.5/20/2013 Same as last inspection.

FIELD_STRUCT_DESC: 2 of 2: 4-foot by 7-foot concrete discharge tunnel through the levee, 38 feet below the crown. Slide gate in 4-foot by 15-foot concrete well on the waterside (WS) slope. Pump house located on the landside (LS) toe and wooden flap gates on the WS toe. (two 4-foot by 7-foot tunnel [HLM 2.13] authorized under Automatic Board Order (ABO) issued as Permit No. 10099, 1955 - Reclamation District No. 1660). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 133, August 1955 (Station 1044+60)]. FS Date: 4/12/2017 9:20:37 AM

| LM Start | 2.14 | Rating ** | A/W | Issue No. | 26 (cont) |
|----------|------|--------------|-----|------------|-----------|
| LM End | 2.14 | Issue Type + | Ma | Location * | |



Slide gates on WS shoulder.

Photo 2 of 3: UCIP_FA_2018_51485_64229.jpg



Wooden flap gates on WS toe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Sutter Maintenance Yard Tisdale Bypass

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|----------------------------|------|------------|--------------------------|---------------|
| Unit No. 01 Tisdale Bypass | Left | 4.51 | 10/03/2018 10/03/2018 | Bob Duffey |

| LM Start | 2.14 | Rating ** | A/W | Issue No. | | 26 (cont) |
|----------|--------------|--------------|------------|----------------------|--------------|------------|
| LM End | 2.14 | Issue Type + | Ма | Location * | | |
| Category | Supplemental | | | GPS Latitude/Longitu | | |
| Calegory | Category | | | Start | | End |
| Item | DWR UCI | P LMA Respo | nsibility | 39.02812 | 4 ° | 39.028124° |
| пеш | | | -121.78234 | 4 ° | -121.782344° | |
| DWR ID | 16856 | | | | | · |

Comment Code

Inspector Comment

FS_ID:51485 DS_ID:16856 EP_NO: 10099

Repair Type: No Action Needed Crossing Status: Found

UCIP Comments: 4/10/2017 Crossing appears to be in good condition. (DWR Sutter Yard-AFreitag)10/11/2016 Crossing appears to be in good condition. (DWR Sutter Yard - afreitag)4/18/2016 Crossing appears to be in good condition. No noticeable issues to report.5/7/2015 Crossing is in good condition. No noticeable issues to report.11/13/2014 Same as last inspection.5/12/2014 Same as last inspection.10/30/2013 Same as last inspection.5/20/2013 Same as last inspection.

FIELD_STRUCT_DESC: 2 of 2: 4-foot by 7-foot concrete discharge tunnel through the levee, 38 feet below the crown. Slide gate in 4-foot by 15-foot concrete well on the waterside (WS) slope. Pump house located on the landside (LS) toe and wooden flap gates on the WS toe. (two 4-foot by 7-foot tunnel [HLM 2.13] authorized under Automatic Board Order (ABO) issued as Permit No. 10099, 1955 - Reclamation District No. 1660). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 133, August 1955 (Station 1044+60)]. FS Date: 4/12/2017 9:20:37 AM



Pump house on LS toe.

| LM Start | 2.16 | Rating ** | U | Issue No. | | 12 |
|------------------------|-----------|-----------------|-----------|------------|--------------|-------------|
| LM End | 2.16 | Issue Type + | Ma | Location * | | LS |
| Category Earthen Levee | | | | GPS La | atitud | e/Longitude |
| Calegory | Category | | | | | End |
| Item | Animal Co | ontrol | | 39.0281 | 37° | 39.028137° |
| пеш | | | -121.7820 | 20° | -121.782020° | |
| DWR ID | DWR_ST0 | 009_01_f _ 2016 | 6_12 | | | |

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Photo 1 of 2: FA_2018_ST0009_286_12_20180905_00002.jpg



View of a rodent hole along the levee crown.

* Location
LS: Land Side N/A: Not Applicable
WS: Water Side
CR: Crown

** Rating
A: Acceptable N: Not Inspected/Rated
M: Minimally Acceptable
C: Corrected
D: Unacceptable
AW: Acceptable AW: Acceptable but Monitor & Maintain

** Rating
A: Issue Type
Ma: Maintenance Deficiancy
Ob: Design & System Obsolescence
En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Sutter Maintenance Yard Tisdale Bypass

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|----------------------------|------|------------|--------------------------|---------------|
| Unit No. 01 Tisdale Bypass | Left | 4.51 | 10/03/2018 10/03/2018 | Bob Duffey |

| LM Start | 2.16 | Rating ** | U | Issue No. 12 | | 12 (cont) | |
|---|-----------|------------------------|-------|---------------|-----|---------------|--|
| LM End | 2.16 | Issue Type + | Ma | Location * | | LS | |
| Category | Earthen L | GPS Latitude/Longitude | | | | | |
| Calegory | | | Start | | End | | |
| Item | Animal Co | Animal Control | | | 37° | 39.028137° | |
| item | | | | -121.782020 ° | | -121.782020 ° | |
| DWR ID | DWR_ST00 | 009_01_f _ 2016 | 6_12 | | | | |
| Comment Code | | | | | | | |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and | | | | | | | |

compact or grout burrows

Inspector Comment



Another view of the rodent holes along the crown and landside slope.

| LM Start | 4.35 | Rating ** | М | Issue No. | 24 | | |
|--------------|--------------------------------------|--------------|----|------------|------|--------------|--|
| LM End | 4.35 | Issue Type + | Ma | Location * | WS | | |
| Category | Earthen Levee GPS Latitude/Longitude | | | | | le/Longitude | |
| Calegory | | | | Start | | End | |
| Item | Encroach | ments | | 39.0306 | 37° | 39.030637° | |
| item | | | | -121.7430 | 23 ° | -121.743023° | |
| DWR ID | DWR_ST0009_01_s _ 2017_24 | | | | | | |
| Comment Code | | | | | | | |

DE: Debris

Inspector Comment

Remove the debris from the waterside slope and toe.

Photo 1 of 1: FA_2018_ST0009_286_24_20180905_00004.jpg



View of the debris along the waterside slope and toe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Sutter Maintenance Yard Tisdale Bypass

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|----------------------------|-------|------------|--------------------------|---------------|
| Unit No. 02 Tisdale Bypass | Right | 4.43 | 10/03/2018 10/03/2018 | Bob Duffey |

| LM Start | 0.00 | Rating ** | Α | Issue No. | 7 | |
|--------------|-----------|------------------------|-----|------------|-----|--------------|
| LM End | 4.42 | Issue Type + | Ma | Location * | | LS |
| Category | Earthen L | GPS Latitude/Longitude | | | | |
| Calegory | | Start | | End | | |
| Item | Vegetatio | n | | 39.023172° | | 39.021433° |
| пеш | | | | -121.8207 | 80° | -121.741170° |
| DWR ID | DWR_ST0 | 009_02_f _ 2018 | 3_7 | | | · |
| Comment Code | | | | | | |

V2 : Remove the wild growth other than native grasses from the levee

Inspector Comment

The vegetation was removed from the landside slope.

slopes.

| LM Start | 0.00 | Rating ** | Α | Issue No. | 7 (cont) |
|----------|------|--------------|----|------------|----------|
| LM End | 4.42 | Issue Type + | Ma | Location * | LS |

Photo 1 of 2 : FA_2018_ST0009_287_7_20181113_00019.jpg



View of no vegetation on the landside slope.

Photo 2 of 2: FA_2018_ST0009_287_7_20181008_00018.jpg



View of the vegetation along the waterside slope.

| LM Start | 0.00 | Rating ** | Α | Issue No. | | 8 | | |
|--|-----------|-----------------|---------------|------------------------|----------------|------------|--|--|
| LM End | 4.42 | Issue Type + | Ma | Location * | | WS | | |
| Category | Earthen L | evee | | GPS Latitude/Longitude | | | | |
| Calegory | Calegory | | | Start | | End | | |
| Item | Vegetatio | Vegetation | | | 72° | 39.021433° | | |
| item | | | -121.820780 ° | | ° -121.741170° | | | |
| DWR ID | DWR_ST0 | 009_02_f _ 2018 | 8_8 | | | | | |
| | | Comn | nent Cod | de | | | | |
| V2 : Remove the wild growth other than native grasses from the levee slopes. | | | | | | | | |

Inspector Comment
The vegetation was removed from the landside slope.

Photo 1 of 2: FA_2018_ST0009_287_8_20181113_00020.jpg



View of no vegetation along the waterside slope.

| * Location | ** Rating | | + Issue Type |
|--|--|---|--|
| LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement |

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Sutter Maintenance Yard Tisdale Bypass

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|----------------------------|-------|------------|--------------------------|---------------|
| Unit No. 02 Tisdale Bypass | Right | 4.43 | 10/03/2018 10/03/2018 | Bob Duffey |

| LM Start | 0.00 | Rating ** | Α | Issue No. | | 8 (cont) |
|----------|--------------------------|--------------|-----------|------------------------|--------------|------------|
| LM End | 4.42 | Issue Type + | Ма | Location * | | WS |
| Catagory | Category Earthen Levee | | | GPS Latitude/Longitude | | |
| Calegory | | | | Start | | End |
| Item | Vegetatio | n | | 39.0231 | 72 ° | 39.021433° |
| пеш | | | -121.8207 | 80° | -121.741170° | |
| DWR ID | DWR_ST0009_02_f _ 2018_8 | | | | | |

Comment Code

 $\ensuremath{\text{V2}}$: Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

The vegetation was removed from the landside slope.

Photo 2 of 2: FA_2018_ST0009_287_8_20181008_00017.jpg



View of the vegetation along the landside slope.

| LM Start | 0.69 | Rating ** | М | Issue No. | | 9 | |
|----------|-----------|----------------|-----|------------|------------------------|--------------|--|
| LM End | 0.71 | Issue Type + | Ma | Location * | | LS | |
| Category | Earthen L | arthen Levee | | | GPS Latitude/Longitude | | |
| Calegory | | | | Start | | End | |
| Item | Erosion / | Bank Caving | | 39.0256 | 02° | 39.025657° | |
| пеш | | | | -121.8085 | 27° | -121.808027° | |
| DWR ID | DWR_ST0 | 009_02_s _ 201 | 7_9 | | | | |

Comment Code

E2: Schedule repair of erosion site prior to the next inspection.

Inspector Comment

Repair the erosion along the landside toe.

Photo 1 of 1: FA_2018_ST0009_287_9_20180905_00005.jpg



View of the erosion along the landside toe from the County Road.

| LM Start | 0.97 | Rating ** | М | Issue No. | | 10 | |
|----------|-------------|--------------|------|------------|-------|--------------|---|
| LM End | 0.98 | Issue Type + | Ma | Location * | | LS | |
| Category | Earthen L | evee | | GPS La | titud | le/Longitude | |
| Calegory | | | | Start | | End | |
| Item | Erosion / I | Bank Caving | | 39.0255 | 40 ° | 39.025572 | ٥ |
| пеш | | | | -121.8032 | 72 ° | -121.802990 | 0 |
| DWR ID | DWR STO | 009 02 s 201 | 7 10 | | | | |

Comment Code

E2 : Schedule repair of erosion site prior to the next inspection.

Inspector Comment

Repair the erosion along the landside toe.

Photo 1 of 1: FA_2018_ST0009_287_10_20180905_00006.jpg



View of the erosion along the landside toe from the County Road.

* Location

LS : Land Side N/A : Not Applicable

WS : Water Side

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated

C : Corrected

A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Sutter Maintenance Yard Tisdale Bypass

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|----------------------------|-------|------------|--------------------------|---------------|
| Unit No. 02 Tisdale Bypass | Right | 4.43 | 10/03/2018 10/03/2018 | Bob Duffey |

| LM Start | 1.14 | Rating ** | М | Issue No. | | 13 | |
|----------------------------------|---------------------------------------|-----------------|------------|---------------|--------|---------------|--|
| LM End | 1.14 | Issue Type + | Ма | Location * | | WS | |
| Cotogony | Earthen L | evee | | GPS La | atitud | e/Longitude | |
| Category | | | | Start | | End | |
| Item | Erosion / I | Bank Caving | | 39.0254 | 60° | 39.025460° | |
| item | | | | -121.800022 ° | | -121.800022 ° | |
| DWR ID DWR_ST0009_02_f _ 2016_13 | | | | | | | |
| | | Comn | nent Cod | de | | | |
| E2 : Scheo | lule repair | of erosion site | e prior to | the next in | spe | ction. | |
| | | Inspecto | or Comm | nent | | | |
| Erosion are | Erosion around the WS concrete vault. | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| LM Start | 1.14 | Rating ** | М | Issue No. | 13 (cont) |
|----------|------|--------------|----|------------|-----------|
| LM End | 1.14 | Issue Type + | Ma | Location * | WS |



View of the erosion along the concrete vault.

Photo 2 of 2: FA_2018_ST0009_287_13_20180905_00008.jpg



Another view of the erosion along the concrete vault.

| LM Start | 1.19 | Rating ** | A/W | Issue No. | | 290 | |
|--|-------------|-----------------------|----------|---------------|--------|--------------|--|
| LM End | 1.19 | Issue Type + | Ма | Location * | | WS | |
| Category | Earthen L | evee | | GPS La | atituc | le/Longitude | |
| Category | | | | Start | | End | |
| Item | Erosion / I | Erosion / Bank Caving | | | 90° | 39.025490° | |
| пеш | | | | -121.799240 ° | | -121.799240° | |
| DWR ID DWR_ST0009_02_s _ 2015_290 | | | | | | | |
| | | Comn | nent Cod | de | | | |
| E1: Note a | and monito | or erosion site | | | | | |
| | | | | | | | |
| Inspector Comment | | | | | | | |
| Sutter Yard needs to monitor the erosion along the berm. | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |



View of the erosion along the waterside berm.

| * Location | ** Rating | | + Issue Type |
|--|--|---|--|
| LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown | A : Acceptable M : Minimally Acceptable U : Unacceptable | N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain | Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement |

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Sutter Maintenance Yard Tisdale Bypass

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|----------------------------|-------|------------|--------------------------|---------------|
| Unit No. 02 Tisdale Bypass | Right | 4.43 | 10/03/2018 10/03/2018 | Bob Duffey |

| | | 5 | | | | | |
|---|-------------|-----------------|------------|-------------|--------|--------------|--|
| LM Start | 1.29 | Rating ** | A/W | Issue No. | | 4 | |
| LM End | 1.29 | Issue Type + | Ma | Location * | | WS | |
| Category | Earthen L | evee | | GPS La | atitud | e/Longitude | |
| Calegory | | | | Start | | End | |
| Item | Erosion / I | Bank Caving | | 39.0254 | 78° | 39.025478° | |
| пеш | | | | -121.7972 | 32° | -121.797232° | |
| DWR ID DWR_ST0009_02_s _ 2013_4 | | | | | | | |
| | | Comn | nent Cod | de | | | |
| E2 : Scheo | dule repair | of erosion site | e prior to | the next in | spe | ction. | |
| Inspector Comment | | | | | | | |
| Sutter Yard needs to monitor the erosion. | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Photo 1 of 1 : FA_2018_ST0009_287_4_20180905_00003.jpg

View of the erosion along the waterside berm.

| LM Start | 1.48 | Rating ** | A/W | Issue No. | 5 | | |
|--|-----------------------|----------------|-------|------------------------|-----|--------------|--|
| LM End | 1.50 | Issue Type + | Ma | Location * | WS | | |
| Catagory | Earthen L | evee | | GPS Latitude/Longitude | | | |
| Category | | | Start | | End | | |
| Item | Erosion / Bank Caving | | | 39.0254 | 60° | 39.025446° | |
| пеш | | | | -121.7938 | 15° | -121.793347° | |
| DWR ID | DWR_ST00 | 009_02_s _ 201 | 3_5 | | | | |
| Comment Code | | | | | | | |
| E2 : Schedule repair of erosion site prior to the next inspection. | | | | | | | |

Inspector Comment

Sutter Yard needs to monitor the erosion.

Photo 1 of 1 : FA_2018_ST0009_287_5_20180905_00004.jpg



View of the erosion along the waterside berm.

Photo 1 of 1: FA_2018_ST0009_287_2_20180905_00002.jpg

| LM Start | 3.93 | Rating ** | A/W | Issue No. | | 2 | |
|------------------------|-------------------------------------|-----------------|----------|--------------|--------------|--------------|--|
| LM End | 3.93 | Issue Type + | Ma | Location * | | WS | |
| Category Earthen Levee | | | GPS La | atitud | le/Longitude | | |
| Category | | | | | | End | |
| Itom | Erosion / Bank Caving | | | 39.0250 | 60° | 39.025060° | |
| item | | | | -121.748178° | | -121.748178° | |
| DWR ID | DWR_ST00 | 009_02_f _ 2010 | 6_2 | | | | |
| | | Comn | nent Coo | de | | | |
| E1: Note a | E1 : Note and monitor erosion site. | | | | | | |
| | | | | | | | |
| Inspector Comment | | | | | | | |

View of the erosion along the waterside berm.

| * Location | | ** Rating | | + Issue Type |
|----------------|----------------------|--------------------------|---|-----------------------------------|
| LS: Land Side | N/A : Not Applicable | A : Acceptable | N : Not Inspected/Rated | Ma : Maintenance Deficiancy |
| WS: Water Side | | M : Minimally Acceptable | C : Corrected | Ob : Design & System Obsolescence |
| CR : Crown | | U : Unacceptable | A/W : Acceptable but Monitor & Maintain | En : Enforcement |

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Sutter Maintenance Yard Tisdale Bypass

| Waterway | Bank | Unit Miles | Inspection Start/End | Inspector |
|----------------------------|-------|------------|--------------------------|---------------|
| Unit No. 02 Tisdale Bypass | Right | 4.43 | 10/03/2018 10/03/2018 | Bob Duffey |

| LM Start | 4.09 | Rating ** | A/W | Issue No. | | 18 | |
|---|-------------|-----------------|------------|---------------|--------|--------------|--|
| LM End | 4.09 | Issue Type + | Ма | Location * | | WS | |
| Category | Earthen L | evee | | GPS La | atitud | e/Longitude | |
| Calegory | | | | Start | | End | |
| Item | Erosion / I | Bank Caving | | 39.0249 | 12° | 39.024912° | |
| пеш | | | | -121.745237 ° | | -121.745237° | |
| DWR ID DWR_ST0009_02_f _ 2017_18 | | | | | | | |
| | | Comn | nent Cod | de | | | |
| E2 : Sched | dule repair | of erosion site | e prior to | the next in | spec | ction. | |
| | | | | | | | |
| | | Inspecto | or Comm | nent | | | |
| Repair the erosion along the water side berm. | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Photo 1 of 1: FA_2018_ST0009_287_18_20180905_00009.jpg

View of the erosion along the waterside berm.